

Review of: "The Association Between Fibromyalgia, Hypermobility and Neurodivergence Extends to Families: Brief Report"

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Potential competing interests: No potential competing interests to declare.

Thank you for requesting me to review this article.

First of all, there are major problems in the methodology of the study. I share my evaluations in order:

1) The introduction is well explained.

2) The problems in the methodology are as follows:

- First of all, Ehlers- Danlos disease is an autosomal dominant or recessive inherited disease that mostly affects the musculoskeletal system. Therefore, it should be compared with a genetically transmitted disease affecting the musculoskeletal system. It is not correct to compare osteoarthritis with a disease with multifactorial inheritance. It is natural for most HSDs to have HSD in the family and to be accompanied by FM. The important thing here should be to find out how and what factors affect FM frequency in HSDs.
- It was not mentioned whether any patient had an additional disease, maybe they have other comorbidities, the exclusion and inclusion criteria are not clear.
- It was not mentioned in the method, how the diagnosis of neurodivergence and fibromyalgia were made.
- Are other factors kept constant to clearly indicate the relationship between these diseases, factors such as additional diseases, sociocultural or economic factors, and employment status?
- Were advanced statistical analyzes (such as regression analysis) used to indicate this relationship?
- Has a power analysis been done to determine the number of sample? Is the number of sample chosen randomly?

As a result, since I have doubts about the reliability of the data obtained with this methodology, I unfortunately reject the acceptance of this article in the journal.